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### **Abstract**

The problem with transferring an IP packets to another network environment without a return connection, is addressed, by transforming the IP data packets into an alternative addressing form such as Conditional Access (CA). Another aspect of the invention allows for extending an IP network by tunneling or forwarding of IP packets, and preferably multicast service packets within a CA transport mechanism. The disclosure further discloses a method and apparatus for utilizing the method as means of providing IP multicast service data via unidirectional television broadcast system.